

Product datasheet for **RC226530**

DCTN4 (NM_001135643) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCTN4 (NM_001135643) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCTN4
Synonyms:	DYN4; P62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC226530 representing NM_001135643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCTTGTGTCAGTCGGACCGGTTCTCTATCTAGTCCAGGGAGAAAAGAAGTTGCGGGCCCGC
 TCTCGCAACTCTACTTCTGCCGCTATTGTAGCGAACTGCGGTCGTTGGAATGTGTGTCTCACGAGTGGA
 CTCCCATTATTGTCCAGTTGTTTGAATAATGCCATCGGCTGAAGCCAACTAAAAAGAATAGATGT
 GCCAATTGTTTGTACTGCTGGCTGCATGCACACCTCTCTACTCGGGCCACGAGCATCTCCACACAGC
 TTCCAGATGACCCAGCCAAGACCACCATGAAGAAAGCCTATTACCTGGCATGTGGATTTTGTGCTGGAC
 GTCTAGAGATGTGGCATGGCAGACAACTGTAGCTAGTGGCGTTGGCAGGAACCTGAAAATCTCAC
 ACACAACGGATGAACAAATTGATTGAATATTACCAGCAGCTTGTCTAGAAAGAGAAGTTGAGCGAGATC
 GCAAGAACTGGCAGCAGTGAAGAACTATATGCCTCTGGCTTTTTCGCAACATACTATTCATGTAGTGA
 CAAATATGGTCTTGAACAGGCTTCAGCGACCAGAGCTGGTGCATCCATCAGTACCCTTGCCGACTT
 TCCTTAAAGAAGGAGAGGATCAGAAAGAGATAAAGATTGAGCCAGCTCAGGCTGTGGATGAAGTGGAAC
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 T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226530 representing NM_001135643
 Red=Cloning site Green=Tags(s)

MASLLQSDRVLYLVQGEKKVRAPLSQLYFCRYCSELRSLCEVSHVEDSHYCPSCLENMPSAEAKLKKNRC
 ANCFDCPGCMHTLSTRATSISTQLPDDPAKTTMKKAYYLACGFCRWTSRDVGMADKSVASGGWQEPENPH
 TQRMNKLIEYYQQLAQEKVERDRKKLARRRNYMPLAFSQHTIHVVDKYGLGTRLQRPRAGASISTLAGL
 SLKEGEDQKEIKIEPAQAVDEVEPLPEDYYTRPVNLTEVTTLQQRLLQPDFQPVASQLYPRHKHLLIKR
 SLRRCRKEHNLSPKFNPTSIKFKIQLVAVNYIPEVRIMSIPNLRYMKESQVLLTLTNPVENLTHVTLFE
 CEEGDPDDINSTAKVVVPPKELVLAGKDAAEYDELAEPQDFQDDPDIIAFRKANKVGFIVKVPQREEG
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Chromatograms:

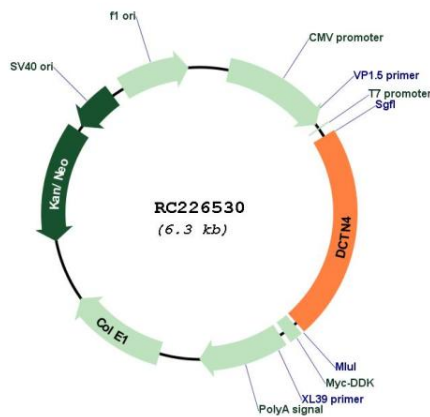
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Restriction Sites:

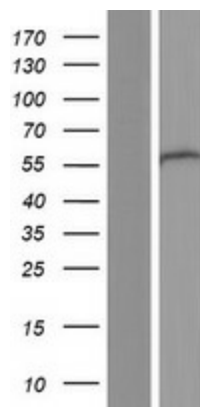
Sgfl-Mlul

RefSeq: [NM_001135643.1](#), [NP_001129115.1](#)
RefSeq ORF: 1404 bp
Locus ID: 51164
UniProt ID: [Q9UJW0](#)
Cytogenetics: 5q33.1
Protein Pathways: Huntington's disease
MW: 53 kDa
Gene Summary: Could have a dual role in dynein targeting and in ACTR1A/Arp1 subunit of dynactin pointed-end capping. Could be involved in ACTR1A pointed-end binding and in additional roles in linking dynein and dynactin to the cortical cytoskeleton.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC226530



Western blot validation of overexpression lysate (Cat# [LY427644]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226530 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).